

EPA/OEPA SITE VISITS
OHIO VALLEY COAL (TOVCC)
and
AMERICAN ENERGY (AEC)

October 25, 26 and 27 2011

Presented

December 16, 2011

Pond 13 AEC – expected to see all
ponds to look like this



AEC Pond 13 – discharges to unnamed tributary of Piney Creek.



AEC Pond 13 outfall – discharges to unnamed tributary to Piney Creek – slope from pipe should allow for representative flow sampling

Pond 10 Ohio Valley Coal

Pond 10 pumped to Impoundment 2 –
does not receive chemical treatment,
OEPA may permit discharge from this
location in next permit.



TOVCC Pond 10. Emergency overflow located bottom right corner of photo. Photo represents lack of adequate freeboard.

Ohio Valley Coal Pond 13

Receives treatment – discharges to
Perkin's Run



TOVCC Pond 13 outlet/discharge location close-up. Illustrates concern of achieving adequate flow monitoring/water quality samples



Downstream from outlet of TOVCC Pond 13. . Illustrates the difficulty of achieving adequate flow monitoring/water quality samples

Pond 14 Ohio Valley Coal



TOVCC Pond 14. Inflow into pond. Spillway was the outfall on the far end of the pond – flow conveyed to TOVCC Pond 13. Picture depicts lack of freeboard. Also note slide suggests pond could potentially discharge along dirt roadway area at forefront of photo.



TOVCC Pond 14 – note freeboard

Pond 14 American Energy



Pond 14 AEC – inlet – pond receives run-off from refuse pile



AEC Pond 14 – outlet from pond 14 - note sediment level in pond

8 series ponds AEC



Outfall Pond 8a to Pond 8b – as-built drawing showed rip-rap, spillway, pipe. Also picture depicts lack of adequate freeboard. Concern is that current O&M prevents these ponds from acting in series as sediment control basins.



AEC Pond 8b to Pond 8c – same concerns as previous photo.



Outfall 8c discharge location for AEC 8 series ponds – undefined discharge location – concerned about ability to collect accurate/representative flow/water quality measurements.

Pond 12 AEC



AEC Pond 12 – lack of vegetation, incised berm – better erosion control measures would aid in pond performance.

Pond 1 strip mine AEC



Strip mine Pond 1 Outfall – not clear of discharge/sampling location.

AEC Pond 15



AEC Pond 15 – outlet from pretreatment sump to pond – rip rap should be replaced- better erosion control would aid in pond performance.

Active mining area
near AEC Ponds 13 and 14-runoff
not captured by ponds



Active Mining area west of AEC Pond 14 – run-off from this area not captured by ponds.



Active mining area between Pond AEC 14 and AEC 13 –
Berm sloped to unnamed tributary to Piney Creek – run-off not captured by ponds.